

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
BIOLAB INC., BIOLAB FACILITY
PROPOSED PART 70 AIR OPERATING PERMIT RENEWAL

The LDEQ, Office of Environmental Services, is accepting written comments on a proposed Part 70 air operating permit for BioLab, Inc., P. O. Box 520, Westlake, LA 70669 for the BioLab Facility. The facility is located at 910 I-10 West, Westlake, Calcasieu Parish. This is approximately one mile southwest of Westlake.

BioLab, Inc. requested to install two natural gas boilers for steam generation of the facility and to add one 64 hp emergency generator.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	28.94	30.17	+ 1.23
SO ₂	-	0.11	+ 0.11
NO _x	-	9.51	+ 9.51
CO	-	24.71	+24.71
VOC	-	0.89	+ 0.89

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the "Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Thursday, February 7, 2008.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The application, proposed permit renewal and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov.

Additional copies may be reviewed at the Calcasieu Parish Library, Westlake Branch, 937 Mulberry Street, Westlake, LA 70669 and the Sulphur Regional Branch, 1160 Cypress Street, Sulphur, LA 70663.

Inquiries or requests for additional information regarding this permit action should be directed to P.G. Banerjee, form_7118_r01
04/30/07

LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-0931.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at deqmaillistrequest@la.gov or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permit and statement of basis can be viewed at the LDEQ permits public notice webpage at www.deq.louisiana.gov/apps/pubNotice/default.asp and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number 26073, Permit Number 0520-00167-V3, and Activity Number PER20070001.

Scheduled Publication Date: January 4, 2008



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.

Activity No.: PER20070001

Agency Interest No. 26073

Mr. Keith Bruner
Plant Manager
BioLab, Inc.
PO Box 520
Westlake, LA 70669 -0520

RE: Part 70 Operating Permit Renewal, Biolab Facility
BioLab Inc., Westlake, Calcasieu Parish, Louisiana

Dear Mr. Bruner:

This is to inform you that the permit renewal for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____, 2013, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2008.

1000 00167-V3

FOR
PUBLIC NOTICE

CCB:pgb
c: EPA Region VI

ENVIRONMENTAL SERVICES
PO BOX 4313, BATON ROUGE, LA 70821-4313
P:225-219-3181 F:225-219-3309
WWW.DEQ.LOUISIANA.GOV



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.

Activity No.: PER20070001
Agency Interest No. 26073

Mr. Keith Bruner
Plant Manager
BioLab, Inc.
PO Box 520
Westlake, LA 70669 -0520

RE: Part 70 Operating Permit Renewal, Biolab Facility
BioLab Inc., Westlake, Calcasieu Parish, Louisiana

Dear Mr. Bruner:

This is to inform you that the permit renewal for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the ____ of _____, 2013, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2008.

Permit No.: 0520-00167-V3

Sincerely,

Chuck Carr Brown Ph.D.
Assistant Secretary
CCB:pgb
c: EPA Region VI

ENVIRONMENTAL SERVICES
PO BOX 4313, BATON ROUGE, LA 70821-4313
P:225-219-3181 F:225-219-3309
WWW.DEQ.LOUISIANA.GOV

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**BioLab Facility
Agency Interest No.: 26073
Biolab Inc.
Westlake, Calcasieu Parish, Louisiana**

I. Background

BioLab Inc., BioLab Facility, an existing halogenated biocides manufacturing facility began operation in 2000. The BioLab Facility currently operates under Permit No. 0520-00167-V2, issued May 27, 2004.

This is the Part 70 operating permit renewal for the facility.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by BioLab Inc. on September 10, 2007 requesting a Part 70 operating permit renewal.

III. Description

The BioLab facility currently manufactures trichloroisocyanuric acid (TCCA), an inorganic halogenated biocide and disodium isocyanurate (Na₂CA). The production capacity is 115 MM lbs/yr.

The manufacture of TCCA consists of adding crushed, neutralized cyanuric acid to a sodium hypochlorite solution in a reaction vessel and introducing gaseous chlorine into the mixture. The product TCCA is filtered from the reacted solution, dried and stored in bins for subsequent compaction, granulation and packaging. The filtrate is treated with hydrochloric acid and sodium hydroxide to convert the TCCA remaining in solution to chlorine and cyanuric acid salt, which is removed out of the solution and recycled. The liquid is discharged to the waste water treatment system.

Na₂CA is a more soluble salt of monosodium isocyanurate (NaCA). The manufacture of Na₂CA consists of further reacting NaCA (an intermediate produced in the manufacture of TCCA) with caustic at a high pH concentration. The Na₂CA is de-watered by a basket centrifuge and a flash dryer, then the powder is collected and packaged using existing equipment.

This permit renewal incorporate minor modifications, including the installation of two natural gas boilers for steam generation at the facility and the addition of one 64 hp emergency generator.

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**BioLab Facility
Agency Interest No.: 26073
Biolab Inc.
Westlake, Calcasieu Parish, Louisiana**

Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	28.94	30.17	+ 1.23
SO ₂	-	0.11	+ 0.11
NO _X	-	9.51	+9.51
CO	-	24.71	+ 24.71
VOC *	-	0.89	+ 0.89

LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

<u>Pollutant</u>	
Formaldehyde	0.02
Chlorine	15.32
Hydrochloric Acid	0.01
Total	15.35

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, National Emission Standards for Hazardous Air Pollutants (NESHAP), and New Source Performance Standards (NSPS). Prevention of Significant Deterioration (PSD) does not apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**BioLab Facility
Agency Interest No.: 26073
Biolab Inc.
Westlake, Calcasieu Parish, Louisiana**

person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 2007; and in the *The American Press*, Westlake, on <date>, 2007. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model(s) Used: None

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Air Quality Standard {NAAQS})

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

BioLab Facility
Agency Interest No.: 26073
Biolab Inc.
Westlake, Calcasieu Parish, Louisiana

VIII. General Condition XVII Activities

Activity	Frequency	Pollutant (TPY)		Notes
Equipment maintenance and repair	-	Chlorine	Hydrochloric Acid	Emission are generated during opening of equipment – see opening of off-line equipment
Opening of off-line equipment	5 times/yr	0.004	-	
Safety and inspection checks on equipment	-	-	-	Emission are generated during opening of equipment – see opening of off-line equipment
Clearing pipelines and associated equipment	-	-	-	Pipelines and associated equipment are vented to scrubber during cleaning
Transportation vessels and/or tanks	-	-	-	
Instrument maintenance	60 times/yr	0.0001	Neg	
Gauging of tanks	-	-	-	Tanks containing pollutants are measured using electronic level transmitters
Turn-around activities	3 times/yr	0.009	0.001	
Nitrogen blowing of lines and equipment	-	-	-	Lines vented to scrubber
Facility Start-ups/Shut-downs	-	-	-	Equipment vented to scrubbers during Start-ups/Shut-downs
Solids loading and unloading	-	-	-	Pollutants not present in solids loading and unloading operation
Cleaning of filters	-	-	-	Chlorine filters are no longer used at facility
Equipment preparation	-	-	-	Equipment vented to scrubbers during preparation
Recharging or replacement of carbon	-	-	-	Carbon filters are no longer used at facility
Valve/Pump maintenance	15 times/yr	0.0006	Neg	
Collection of samples	24 times/day	0.0001	-	

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**BioLab Facility
Agency Interest No.: 26073
Biolab Inc.
Westlake, Calcasieu Parish, Louisiana**

IX. Insignificant Activities

ID No.:	Description	Citation
T-100	500 gal Maintenance Diesel Storage	Insignificant Activity per LAC 33:III.501.B.5.A.3.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

BioLab Facility
Agency Interest No.: 26073
Biolab Inc.
Westlake, Calcasieu Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III Chapter																	
		5▲	509	9	11	13	15	2103	2104*	2107	2111	2113	2116*	22	29*	51*	53*	56	59*
UNF001	Plant Wide	1		1	1	1								1		1	1	1	1
EQT0005	PV-1 -NCCA Process Vent						1											1	
EQT0006	PV-2 -Na2CA Process Vent								1										
EQT0007	CT-1 -Plant 2 Cooling Tower									1									
EQT0008	CT-2 -Plant 4 North Cooling Tower										1								
EQT0009	CT-3 -Plant 4 West Cooling Tower											1							
EQT0010	B-1 -Natural Gas Boiler												1	1	1				
EQT0011	B-2 -Natural Gas Boiler												1	1	1				
EQT0012	GEN-1 -Emergency Diesel Generator												1	1	1				
EQT0013	SCVT-1 -HCL Scrubber Vent															1			
FUG001	FUG-1 -Fugitive Emissions														3			1	

* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

BioLab Facility
Agency Interest No.: 26073
Biolab Inc.
Westlake, Calcasieu Parish, Louisiana

KEY TO MATRIX

- 1 -The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

BioLab Facility

Agency Interest No.: 26073

Biolab Inc.

Westlake, Calcasieu Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS										40 CFR 611				40 CFR 63 NESHAP				40 CFR			
		A	K	Ka	Kb	Da	Db	Dc	OOO	III	A	FF	V	A	FFFF	Q	ZZZZ	*	64	68	72	82	
UNF0001	Plant Wide										1	1	1	1	3							1	
EQT0005	PV-1 -NCCA Process Vent																						
EQT0006	PV-2 -Na2CA Process Vent																						
EQT0007	CT-1 -Plant 2 Cooling Tower																						
EQT0008	CT-2 -Plant 4 North Cooling Tower																						
EQT0009	CT-3 -Plant 4 West Cooling Tower																						
EQT0010	B-1 -Natural Gas Boiler	1										1											
EQT0011	B-2 -Natural Gas Boiler	1										1											
EQT0012	GEN- 1 -Emergency Diesel Generator											3							3**				
EQT0013	SCVT-1 -HCL Scrubber Vent	3	3	3																			
FUG0001	FUG-1 -Fugitive Emissions																						

* Vacatur to Rule Issued July 30, 2007

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

BioLab Facility
Agency Interest No.: 26073
Biolab Inc.
Westlake, Calcasieu Parish, Louisiana

**** Proposed revision to Subpart ZZZZ includes this type of emission source**

KEY TO MATRIX

- 1 -The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

BioLab Facility
 Agency Interest No.: 26073
Biolab Inc.
Westlake, Calcasieu Parish, Louisiana

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
Facility Wide	Chemical Accident Prevention and minimization of Consequences LAC 33:III.Chapter 59	DOES NOT APPLY. Because facility has no chemicals above RMP thresholds levels.
	Miscellaneous organic NESHAP [40 CFR 63,Subpart FFFF	Does Not Apply. Facility does not contain any miscellaneous organic chemical manufacturing process units.
	Chemical Accident Prevention Provisions [40 CFR 68]	DOES NOT APPLY : Because facility has no chemicals above RMP thresholds level.
B-1 and B-2 Natural Gas Boilers	NESHAP Subpart DDDDD 40 CFR 63	DOES NOT APPLY. Vacatur to Rule issued July 30, 2007.
	Emission Standards for Sulfur Dioxide LAC 33:III.1503.C	EXEMPT: Because facility emits less than 250 tons per year of sulfur compounds measured as sulfur dioxide.
GEN-1 64 hp Emergency Diesel Generator	NSPS Subpart III 40 CFR Part 60.4200(a)(2)(i)	DOES NOT APPLY : Because manufacture date of this particular engine was prior to April 1, 2006 and conforms with Tier 1 nonroad engine standards.
	Emission Standards for Sulfur Dioxide LAC 33:III.1503.C	EXEMPT. Facility emits less than 250 tons per year of sulfur compounds measured as sulfur dioxide.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

BioLab Facility
Agency Interest No.: 26073
Biolab Inc.
Westlake, Calcasieu Parish, Louisiana

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
GEN-1 64 hp Emergency Diesel Generator	NESHAP ZZZZ 40 CFR 63	DOES NOT APPLY. Because the engine <500 hp model year is per 2007
PV-1, SCVT-1, FUG-1	Comprehensive Toxic Air Pollutant Emissions Control Program, Emission Control Reduction Requirements and Standards LAC 33:III.5109.A	DOES NOT APPLY: Because the facility does not emit Class I or II toxic air pollutants, only Class III, as listed on Table 51.1.
SCVT-1j Hydrochloric Acid Storage Tanks	NSPS Subpart K – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after June 11, 1973, and prior to May 19, 1978 [40 CFR 60.110-60.113])	DOES NOT APPLY. Tank is not used to store volatile organic liquids.
	NSPS Subpart Ka – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after May 18, 1978 and prior to July 23, 1978 [40 CFR 60.110-60.113])	DOES NOT APPLY. Tank is not used to store volatile organic liquids.
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110-60.113])	DOES NOT APPLY. Tank is not used to store volatile organic liquids.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

BioLab Facility

Agency Interest No.: 26073

Biolab Inc.

Westlake, Calcasieu Parish, Louisiana

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
SCVT-1 Hydrochloric Acid Storage Tanks	Control of Organic Compound Emissions, Storage of Volatile Organic Compounds: [LAC 33:III.2103 A]	DOES NOT APPLY. Tank is not used to store volatile organic liquids.
CT-1, CT-2, CT-3 Cooling Towers	National Emission Standards for Hazardous Air Pollutants for Industrial Process Cooling Towers – Subpart Q [40 CFR 63.400]	DOES NOT APPLY. Chromium is not used for water treatment.
FUG-1 Fugitive Emissions	Fugitive Emission Control LAC 33:III.2121. Louisiana Emission Standard for Equipment Leaks LAC 33:III.5171	DOES NOT APPLY. Because the facility is not an applicable industry. DOES NOT APPLY; Because the facility has no equipment in VTAP service.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 2 or 3 in the matrix presented in Section VII of this permit.

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and

40 CFR PART 70 GENERAL CONDITIONS

4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
 1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
[Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an

40 CFR PART 70 GENERAL CONDITIONS

emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 - 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 - 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 - 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 - 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 - 5. changes in emissions would not qualify as a significant modification; and
 - 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
 - 1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

40 CFR PART 70 GENERAL CONDITIONS

3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
 1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

40 CFR PART 70 GENERAL CONDITIONS

- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated September 10, 2007.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
2. Report by September 30 to cover April through June
3. Report by December 31 to cover July through September
4. Report by March 31 to cover October through December

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 26073 BioLab Facility
Activity Number: PER20070001
Permit Number: 0520-00167-V3
Air - Title V Regular Permit Renewal

Also Known As:	ID	Name	User Group	Start Date
	0520-00167	BioLab Facility	CDS Number	08-05-2002
LAR000007987		Biolab Lake Charles Facility	Hazardous Waste Notification	09-28-1995
LA-10387-L01		Radioactive Material License	Radiation License Number	02-07-2001
G-019-8474		Site ID #	Solid Waste Facility No.	09-16-2001
70669BLBNC110WE		TRI	Toxic Release Inventory	07-09-2004
Physical Location:			Main FAX:	3374330334
Mailing Address:			Main Phone:	3374333030
Location of Front Gate:			Phone (Type)	Relationship
Related People:		Name	Mailing Address	
	Keith Bruner		PO Box 520 Westlake, LA 706690520	KEITH.BRUNER@C
	Keith Bruner		PO Box 520 Westlake, LA 706690520	337433030 (WP)
	Keith Bruner		PO Box 520 Westlake, LA 706690520	337433030 (WP)
	Keith Bruner		PO Box 520 Westlake, LA 706690520	337433030 (WP)
	Keith Bruner		PO Box 520 Westlake, LA 706690520	KEITH.BRUNER@C
	Keith Bruner		PO Box 520 Westlake, LA 706690520	KEITH.BRUNER@C
	Michael Soileau		PO Box 520 Westlake, LA 70669	michael.soileau@chi
	Michael Soileau		PO Box 520 Westlake, LA 70669	337433030 (WP)
	Dermot Wong		PO Box 520 Westlake, LA 706690520	337433030 ext 222
	Dermot Wong		PO Box 520 Westlake, LA 706690520	337433034 (WF)
	Dermot Wong		PO Box 520 Westlake, LA 706690520	337433030 ext 222
	Dermot Wong		PO Box 520 Westlake, LA 706690520	337433034 (WF)
	Dermot Wong		PO Box 520 Westlake, LA 706690520	3372743893 (CP)
	Dermot Wong		PO Box 520 Westlake, LA 706690520	Dermot.Wong@Che
	Dermot Wong		PO Box 520 Westlake, LA 706690520	Dermot.Wong@Che
	Dermot Wong		PO Box 520 Westlake, LA 706690520	3372743893 (CP)
Related Organizations:		Name	Address	Phone (Type)
	BioLab Inc		PO Box 520 Westlake, LA 706690520	Air Billing Party for

General Information

AI ID: 26073 Biolab Facility
Activity Number: PER20070001
Permit Number: 0520-00167-V3
Air - Title V Regular Permit Renewal

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMP0 database for this facility and is not considered a part of the permit.
Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 26073 - BioLab Facility
 Activity Number: PER20070001
 Permit Number: 0520-00167-V3
 Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
BioLab Facility						
EQT0005	PV-1 - TCCA Process Vent			110 MM lbs/yr		8760 hr/yr (All Year)
EQT0006	PV-2 - Na2CA Process Vent			5 MM lbs/yr		8760 hr/yr (All Year)
EQT0007	CT-1 - Plant 2 Cooling Tower			4000 gallons/min		8760 hr/yr (All Year)
EQT0008	CT-2 - Plant 4 North Cooling Tower			1100 gallons/min		8760 hr/yr (All Year)
EQT0009	CT-3 - Plant 4 West Cooling Tower			1100 gallons/min		8760 hr/yr (All Year)
EQT0010	B-1 - Natural Gas Boiler		19 MM BTU/hr			8760 hr/yr (All Year)
EQT0011	B-2 - Natural Gas Boiler		19 MM BTU/hr			8760 hr/yr (All Year)
EQT0012	GEN-1 - Emergency Diesel Generator		64 horsepower			13 hr/yr (All Year)
EQT0013	SCVT-1 - HCL Scrubber Vent		1.7 MM gallons/yr			8760 hr/yr (All Year)
FUG0001	FUG-1 - Fugitive Emissions					8760 hr/yr (All Year)

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
BioLab Facility							
EQT0005	PV-1 - TCCA Process Vent	128.3	38400	3		107	86
EQT0006	PV-2 - Na2CA Process Vent	97	13999	1.75		80	90
EQT0007	CT-1 - Plant 2 Cooling Tower					20	90
EQT0008	CT-2 - Plant 4 North Cooling Tower					20	90
EQT0009	CT-3 - Plant 4 West Cooling Tower					20	90
EQT0010	B-1 - Natural Gas Boiler	37.4	7565	2.17		26	414
EQT0011	B-2 - Natural Gas Boiler	37.4	7565	2.17		26	414
EQT0012	GEN-1 - Emergency Diesel Generator	154	320	21		1	928
EQT0013	SCVT-1 - HCL Scrubber Vent	34	4.01	.5		15	77

Relationships:

Subject Item Groups:

ID	Group Type	Group Description
UNF0001	Unit or Facility Wide	UNF0001 - BioLab Facility

Group Membership:

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

INVENTORIES

AI ID: 26073 - BioLab Facility
Activity Number: PER20070001
Permit Number: 0520-00167-V3
Air - Title V Regular Permit Renewal

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
0500	Industrial Inorganic Chemicals Mfg. N.E.C. (Rated Capacity)	115	MM Lb/Yr

SIC Codes:

2819	Industrial inorganic chemicals, nec	UNF001
------	-------------------------------------	--------

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 26073 - BioLab Facility
 Activity Number: PER20070001
 Permit Number: 0520-00167-V3
 Air - Title V Regular Permit Renewal

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
BioLab Facility															
EQT 0005 PV_1							6.28	8.16	27.50						
EQT 0006 PV_2							0.29	0.37	1.28						
EQT 0007 CT_1							0.02	0.03	0.08						
EQT 0008 CT_2							0.01	0.02	0.06						
EQT 0009 CT_3							0.01	0.01	0.02						
EQT 0010 B_1	2.82	3.38	12.35	1.09	1.30	4.75	0.14	0.17	0.61	0.01	0.01	0.05	0.10	0.12	0.44
EQT 0011 B_2	2.82	3.38	12.35	1.09	1.30	4.75	0.14	0.17	0.61	0.01	0.01	0.05	0.10	0.12	0.44
EQT 0012 GEN_1	0.13	0.15	<0.01	1.11	1.34	0.01	0.02	0.02	<0.01	0.13	0.16	<0.01	0.04	0.05	<0.01

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 26073 - BioLab Facility
Activity Number: PER20070001
Permit Number: 0520-00167-V3
Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0005 PV-1	Chlorine	3.40	4.42	14.89
EQT 0010 B-1	Formaldehyde	0.001	0.002	0.006
EQT 0011 B-2	Formaldehyde	0.001	0.002	0.006
EQT 0013 SCVT-1	Hydrochloric acid	0.002	0.05	0.01
FUG 0001 FUG-1	Chlorine	0.10	0.10	0.43
UNF 0001 UNF0001	Chlorine			15.32
	Formaldehyde			0.02
	Hydrochloric acid			0.01

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

SPECIFIC REQUIREMENTS

AI ID: 26073 - BioLab Facility
Activity Number: PER20070001
Permit Number: 0520-00167-V3
Air - Title V Regular Permit Renewal

EQT0005 PV-1: TCCA Process Vent

- Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A. 1-7.
- Total suspended particulate $\leq 14.01 \text{ lb/hr}$. The rate of emission shall be the total of all emission points from the source.
- Which Months: All Year Statistical Basis: None specified
- Opacity ≤ 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- Which Months: All Year Statistical Basis: Six-minute average
- Disodium isocyanurate production scrubber (TP-40-526) Flow rate $\geq 70 \text{ gallons/min.}$
- Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary.
- Which Months: All Year Statistical Basis: None specified
- Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- Flow rate monitored by flow rate monitoring device once every four hours.
- Which Months: All Year Statistical Basis: None specified
- Flow rate recordkeeping by electronic or hard copy once every four hours.
- Install and maintain dust filters venting to the scrubbers so that particulate removal efficiencies are maintained above 95%. Inspect and change as necessary all filter elements on a biannual basis.
- Particulate matter (10 microns or less) $\geq 99\%$ removal efficiency.
- Which Months: All Year Statistical Basis: None specified
- Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2.
- 11 [LAC 33:III.5109.B]

EQT0006 PV-2: Na2CA Process Vent

- Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.
- Total suspended particulate $\leq 1.77 \text{ lb/hr}$. The rate of emission shall be the total of all emission points from the source.
- Which Months: All Year Statistical Basis: None specified
- Opacity ≤ 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: Six-minute average
- Disodium isocyanurate production scrubber (TP-40-526) Flow rate $\geq 70 \text{ gallons/min.}$
- Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary.
- Which Months: All Year Statistical Basis: None specified
- Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 12 [LAC 33:III.1305]
- 13 [LAC 33:III.1311.B]
- 14 [LAC 33:III.1311.C]
- 15 [LAC 33:III.501.C.6]
- 16 [LAC 33:III.501.C.6]
- 17 [LAC 33:III.501.C.6]

SPECIFIC REQUIREMENTS

AI ID: 26073 - BioLab Facility
 Activity Number: PER2007001
 Permit Number: 0520-00167-V3
 Air - Title V Regular Permit Renewal

EQT0005 PV-1: TCCA Process Vent

- 1 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
- 2 [LAC 33:III.1311.B] Total suspended particulate ≤ 14.0 lb/hr. The rate of emission shall be the total of all emission points from the source.
- 3 [LAC 33:III.1311.C] Which Months: All Year Statistical Basis: None specified
Opacity ≤ 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- 4 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: Six-minute average
Disodium isocyanurate production scrubber (TP-40-526) Flow rate ≥ 70 gallons/min.
- 5 [LAC 33:III.501.C.6] Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary.
- 6 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified
Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 7 [LAC 33:III.501.C.6] Flow rate monitored by flow rate monitoring device once every four hours.
- 8 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified
Flow rate recordkeeping by electronic or hard copy once every four hours.
- 9 [LAC 33:III.501.C.6] Install and maintain dust filters venting to the scrubbers so that particulate removal efficiencies are maintained above 95%. Inspect and change as necessary all filter elements on a biannual basis.
- 10 [LAC 33:III.501.C.6] Particulate matter (10 microns or less) ≥ 99 % removal efficiency.
- 11 [LAC 33:III.5109.B] Which Months: All Year Statistical Basis: None specified
Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2.

EQT0006 PV-2: Na2CA Process Vent

- 12 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.
- 13 [LAC 33:III.1311.B] Total suspended particulate ≤ 1.77 lb/hr. The rate of emission shall be the total of all emission points from the source.
- 14 [LAC 33:III.1311.C] Which Months: All Year Statistical Basis: None specified
Opacity ≤ 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 15 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: Six-minute average
Disodium isocyanurate production scrubber (TP-40-526) Flow rate ≥ 70 gallons/min.
- 16 [LAC 33:III.501.C.6] Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary.
- 17 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified
Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

SPECIFIC REQUIREMENTS

AI ID: 26073 - BioLab Facility
 Activity Number: PER20070001
 Permit Number: 0520-00167-V3
 Air - Title V Regular Permit Renewal

EQT0006 PV-2: Na2CA Process Vent

- 18 [LAC 33:III.501.C.6] Flow rate monitored by flow rate monitoring device once every four hours.
Which Months: All Year Statistical Basis: None specified
- 19 [LAC 33:III.501.C.6] Flow rate recordkeeping by electronic or hard copy once every four hours.
- 20 [LAC 33:III.501.C.6] Install and maintain dust filters venting to the scrubbers so that particulate removal efficiencies are maintained above 95%. Inspect and change as necessary all filter elements on a biannual basis.
- 21 [LAC 33:III.501.C.6] Particulate matter (10 microns or less) \geq 99 % removal efficiency.
Which Months: All Year Statistical Basis: None specified

EQT0007 CT-1: Plant 2 Cooling Tower

- 22 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.

EQT0008 CT-2: Plant 4 North Cooling Tower

- 23 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.

EQT0009 CT-3: Plant 4 West Cooling Tower

- 24 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.

EQT0010 B-1: Natural Gas Boiler

- 25 [40 CFR 60.48c(g)(1)] Fuel rate recordkeeping by electronic or hard copy daily. Keep records of the amount of each fuel combusted during each day. Subpart Dc. [40 CFR 60.48c(g)(1)]
- 26 [40 CFR 60.48c(g)(2)] Fuel rate recordkeeping by electronic or hard copy monthly. Keep records of the amount of each fuel combusted during each calendar month. Subpart Dc. [40 CFR 60.48c(g)(2)]
- 27 [40 CFR 60.48c(g)(3)] Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total amount of fuel for the unit delivered to the property during each calendar month. Subpart Dc. [40 CFR 60.48c(g)(3)]
- 28 [LAC 33:III.1101.B] Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: None specified
- 29 [LAC 33:III.1313.C] Total suspended particulate \leq 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: None specified

EQT0011 B-2: Natural Gas Boiler

TPOR0147

SPECIFIC REQUIREMENTS

AI ID: 26073 - BioLab Facility

Activity Number: PER20070001

Permit Number: 0520-00167-V3

Air - Title V Regular Permit Renewal

EQT0011 B-2: Natural Gas Boiler

30	[40 CFR 60.48c(g)(1)]	Fuel rate recordkeeping by electronic or hard copy daily. Keep records of the amount of each fuel combusted during each day. Subpart Dc. [40 CFR 60.48c(g)(1)]
31	[40 CFR 60.48c(g)(2)]	Fuel rate recordkeeping by electronic or hard copy monthly. Keep records of the amount of each fuel combusted during each calendar month. Subpart Dc. [40 CFR 60.48c(g)(2)]
32	[40 CFR 60.48c(g)(3)]	Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total amount of fuel for the unit delivered to the property during each calendar month. Subpart Dc. [40 CFR 60.48c(g)(3)]
33	[LAC 33:III.1101.B]	Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
34	[LAC 33:III.1313.C]	Which Months: All Year Statistical Basis: None specified Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). Which Months: All Year Statistical Basis: None specified

EQT0012 GEN-1: Emergency Diesel Generator

35	[LAC 33:III.1311.C]	Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. Which Months: All Year Statistical Basis: Six-minute average
----	---------------------	--

EQT0013 SCVT-1:HCl Scrubber Vent

36	[LAC 33:III.5105.A.4]	Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51 Subchapter A.
37	[LAC 33:III.5109.B]	Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2.
38	[LAC 33:III.5113.C.2]	Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ.
39	[LAC 33:III.5113.C.2]	Submit performance evaluation report. Due to the Office of Environmental Assessment within 60 days of the monitoring system performance evaluation.

FUG0001 FUG-1: Fugitive Emissions

40	[LAC 33:III.5109.B]	Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2.
----	---------------------	---

UNF0001 BioLab Facility

41	[40 CFR 60.]	All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
42	[40 CFR 61.]	All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.
43	[40 CFR 63.]	All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Table xx of 40 CFR 63 Subpart xx.
44	[40 CFR 70.5(a)(1)(iii)]	Submit Title V permit application for renewal: Due 6 months before permit expiration date. [40 CFR 70.5(a)(1)(iii)]

SPECIFIC REQUIREMENTS

AI ID: 26073 - BioLab Facility
Activity Number: PER20070001
Permit Number: 0520-00167-V3
Air - Title V Regular Permit Renewal

UNF0001 BioLab Facility

45 [40 CFR 70.6(a)(3)(iii)(A)]

Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communications(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]

46 [40 CFR 70.6(a)(3)(iii)(B)]

Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(q). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. [40 CFR 70.6(a)(3)(iii)(B)]

47 [40 CFR 70.6(c)(5)(iv)]

Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]

Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B.

48 [40 CFR 82. Subpart F]

Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.

49 [LAC 33:III.1103]

Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.

50 [LAC 33:III.1303.B]

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.

51 [LAC 33:III.1305]

Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.

52 [LAC 33:III.2113.A]

Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.

53 [LAC 33:III.219]

If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.

54 [LAC 33:III.2901.F]

Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HRVOC), which include 1,3-Butadiene, Butene, cis-2-Butene, trans-2-Butene, Ethylene, Propylene, Toluene, Xylene, m,p-Xylene, o-Xylene. (State Only).

SPECIFIC REQUIREMENTS

AID: 26073 - BioLab Facility
Activity Number: PER20070001
Permit Number: 0520-00167-V3
Air - Title V Regular Permit Renewal

UNF0001 BioLab Facility

56 [LAC 33:III.501.C.6]

Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33:III.2113.A.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit. (State Only).

Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III. Chapter 51. Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III. Chapter 51. Subchapter A, after the effective date of the standard.

Do not cause a violation of any ambient air standard listed in LAC 33:III. Table 51.2, unless operating in accordance with LAC 33:III.5109.

Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.

Do not fail to keep records, notify, report or revise reports as required under LAC 33:III. Chapter 51. Subchapter A.

Submit initial annual emissions report (TEDI) to DEQ within 180 days of December 20, 1991. Identify the quantity of emissions of toxic air pollutants listed in Table 51.1 for the calendar year 1991.

Submit Annual Emissions Report (TEDI): Due annually, by the 1st of July, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.

Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502.

Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations"

Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).

Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:III.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.3923.

Submit notification: Due to SPOC immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:III.5107.B.6.

Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to SPOC by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii.

SPECIFIC REQUIREMENTS

AI ID: 26073 - BioLab Facility
 Activity Number: PER20070001
 Permit Number: 0520-00167-V3
Air - Title V Regular Permit Renewal

UNF0001 BioLab Facility

- Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.
- Submit to DEQ a compliance plan for achieving compliance with MACT requirements in accordance with LAC 33:III.5109.D. Include the elements listed under LAC 33:III.5109.E.
- Submit to DEQ a certification of compliance with all MACT requirements, in accordance with LAC 33:III.5109.D. Include the elements listed in LAC 33:III.5109.E.
- Submit to DEQ a compliance plan for achieving compliance with the ambient air standard(s), in accordance with LAC 33:III.5109.D. Include the elements listed under LAC 33:III.5109.E.
- Submit to DEQ a certification of compliance with all ambient air standards, in accordance with LAC 33:III.5109.D. Include the elements listed under LAC 33:III.5109.E.
- Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology.
- Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112. Table S1.2. Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III. Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department.
- Obtain a Louisiana Air Permit in accordance with LAC 33:III.511.B and C and in accordance with LAC 33:I.1701, before commencement of the construction of any new source.
- Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source.
- Obtain written authorization from DEQ before commencement of any modification specified in a compliance plan submitted pursuant to LAC 33:III.5109.
- Submit letter: Due to the Office of Environmental Services concurrently with the submittal of the compliance plan. Indicate that the necessary permit modification (or new permit if no existing permit is in place) will be applied for by a date specified in the compliance schedule and request written authorization to construct; or, Submit permit application: Due to the Office of Environmental Services in accordance with LAC 33:III.5111.B, concurrently with the submittal of the compliance plan.
- Apply for a permit in accordance with LAC 33:III.5111.B, for any existing major source which is operating without a Louisiana Air Permit, or which is not fully permitted, or for any minor source that was once a major source.
- Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified.
- Submit notification in writing: Due to SPOC not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up.

SPECIFIC REQUIREMENTS

AI ID: 26073 - BioLab Facility
 Activity Number: PER20070001
 Permit Number: 0520-00167-V3
 Air - Title V Regular Permit Renewal

UNF0001 BioLab Facility

- 83 [LAC 33:III.5113.A.2] Submit notification in writing: Due to SPOC within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source.
- 84 [LAC 33:III.5113.B.1] Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel.
- 85 [LAC 33:III.5113.B.3] Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department.
- 86 [LAC 33:III.5113.B.4] Provide emission testing facilities as specified in LAC 33:III.5113.B.4 through e.
- 87 [LAC 33:III.5113.B.5] Analyze samples and determine emissions within 30 days after each emission test has been completed.
- 88 [LAC 33:III.5113.B.5] Submit certified letter: Due to the Office of Environmental Assessment before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test.
- 89 [LAC 33:III.5113.B.6] Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.
- 90 [LAC 33:III.5113.B.7] Submit notification: Due to the Office of Environmental Assessment at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test.
- 91 [LAC 33:III.5113.C.1] Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence.
- 92 [LAC 33:III.5113.C.2] Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ.
- 93 [LAC 33:III.5113.C.2] Submit notification in writing: Due to the Office of Environmental Assessment at least 30 days before a performance evaluation of the monitoring system is to begin.
- 94 [LAC 33:III.5113.C.2] Submit performance evaluation report: Due to the Office of Environmental Assessment within 60 days of the monitoring system performance evaluation.
- 95 [LAC 33:III.5113.C.3] Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems.
- 96 [LAC 33:III.5113.C.5.a] Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B.
- 97 [LAC 33:III.5113.C.5.a] Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days.
- 98 [LAC 33:III.5113.C.5.d] Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS.
- 99 [LAC 33:III.5113.C.5.e] Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS.

SPECIFIC REQUIREMENTS

AI ID: 26073 - BioLab Facility
 Activity Number: PER20070001
 Permit Number: 0520-00167-V3
 Air - Title V Regular Permit Renewal

UNF0001 BioLab Facility

- 100 [LAC 33:III.5113.C.5]
- 101 [LAC 33:III.5113.C.7]
- 102 [LAC 33:III.5609.A.1.b]
- 103 [LAC 33:III.5609.A.2.b]
- 104 [LAC 33:III.5609.A.3.b]
- 105 [LAC 33:III.5609.A]
- 106 [LAC 33:III.5611.A]
- 107 [LAC 33:III.5611.B]
- 108 [LAC 33:III.5901.A]
- 109 [LAC 33:III.905]
- 110 [LAC 33:III.919.D]

Submit plan: Due to the Office of Environmental Assessment within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system.

Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ.

Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert.

Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning.

Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency.

Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency.

Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7.

Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency. Due within 30 days after requested by the administrative authority.

During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.

Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.

Install air pollution control facilities whenever practically, economically, and technologically feasible. When facilities have been installed on a property, use them and diligently maintain them in proper working order whenever any emissions are being made which can be controlled by the facilities, even though the ambient air quality standards in affected areas are not exceeded.

Submit Emission Inventory (EI) Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.